

Title (en)

Sheet folding method to obtain an at least 16-pages folded sheet

Title (de)

Verfahren zum Falzen eines Bogens zu einem Falzbogen mit wenigstens 16 Seiten

Title (fr)

Méthode de pliage d'une feuille pour obtenir une brochure ayant au moins 16 pages

Publication

**EP 1460014 B1 20071003 (DE)**

Application

**EP 03006152 A 20030318**

Priority

EP 03006152 A 20030318

Abstract (en)

[origin: EP1460014A1] A sheet is initially folded into 16 pages, in several stages. The sheet (11) is folded along a central line (21) extending at right angles to direction of feed (30), forming a 4-page sheet (12). This sheet is then folded along a line (26), which extends in feed direction, forming an 8-page sheet (13), and this in turn is folded along a line (27a,b) extending in feed direction, forming a 16-page sheet (14). This sheet is compressed and turned into a conveying direction (31), which extends mainly at 90[deg] to the feed direction. It is then folded along its center line (22a,b), to form a 32-page sheet. The folding appliance consists of a buckle folder, two plow folders, a small press, a turning table, and a knife folder, working in that sequence.

IPC 8 full level

**B65H 45/12** (2006.01); **B42C 1/00** (2006.01); **B42C 19/00** (2006.01); **B42C 19/02** (2006.01); **B65H 45/14** (2006.01); **B65H 45/18** (2006.01); **B65H 45/20** (2006.01); **B65H 45/22** (2006.01)

CPC (source: EP US)

**B42C 1/00** (2013.01 - EP US); **B42C 19/00** (2013.01 - EP US); **B42C 19/02** (2013.01 - EP US); **B65H 45/18** (2013.01 - EP US); **B65H 45/22** (2013.01 - EP US)

Cited by

CN109179052A; CH703138A1; EP2319788A1; US8480553B2

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

**EP 1460014 A1 20040922**; **EP 1460014 B1 20071003**; DE 50308317 D1 20071115; JP 2004338945 A 20041202; US 2004185995 A1 20040923

DOCDB simple family (application)

**EP 03006152 A 20030318**; DE 50308317 T 20030318; JP 2004074907 A 20040316; US 80183304 A 20040317